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	\$		

VAX-11 Bliss-32 V4.0-742 PEDISKSVMSMASTER: [F11A.SRC]GETFIB.B32;1

MODULE GETFIB (

LANGUAGE (BLISS32), IDENT = 'VO4-000'

BEGIN

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FACILITY: F11ACP Structure Level 1

ABSTRACT:

This routine obtains the address of the FIB for this operation.

ENVIRONMENT:

STARLET operating system, including privileged system services and internal exec routines.

AUTHOR: Andrew C. Goldstein, CREATION DATE: 7-Jan-1977 01:02

MODIFIED BY:

LMP0219
L. Mark Pilant,
Preset FIB\$L_ACL_STATUS to SS\$_NORMAL. V03-001 LMP0219 24-Mar-1984 23:15

ACG0001 Andrew C. Goldstein, 10-0ct-1978 20:01 Previous revision history moved to F11A.REV A0100

N 11 16-Sep-1984 01:05:44 VAX-11 BLiss-32 V4.0-742 14-Sep-1984 12:29:37 DISK\$VMSMASTER:[F11A.SRC]GETFIB.B32;1 (1) GETFIB VO4-000 58 59 60 61 1 LIBRARY 'SYS\$LIBRARY:LIB.L32'; 1 REQUIRE 'SRC\$:FCPDEF.B32';

000

```
GETFIB
VO4-000
                                                                                                                                                                    VAX-11 Bliss-32 V4.0-742
DISKSVMSMASTER: [F11A.SRC]GETFIB.B32;1
                                             GLOBAL ROUTINE GET_FIB (ABD) =
     FUNCTIONAL DESCRIPTION:
                                                            This routine obtains the address of the FIB for this operation. It copies the FIB from the buffer packet into local storage and zero extends it to maximum length.
                                                CALLING SEQUENCE:
GET_FIB (ARG1)
                                                INPUT PARAMETERS:
ARG1: buffer descriptor list
                                                IMPLICIT INPUTS:
CURRENT WINDOW: address of user's window or 0
IO_PACKET: address of user's I/O packet
                              OUTPUT PARAMETERS:
                                                            NONE
                                                 IMPLICIT OUTPUTS:
                                                           NONE
                                                ROUTINE VALUE:
                                                            address of FIB
                                                SIDE EFFECTS:
file ID may be written into FIB
channel window pointer write-back inhibited
result string buffers zeroed
                                            BEGIN
                                            MAP
                                                                                          : REF BBLOCKVECTOR [ ABD$C_LENGTH]; ! buffer descriptors
                                                            ABD
                                            LOCAL
                                                                                          : REF BBLOCK,
                                                                                                                        ! FCB of file
! length of user FIB
                                                           FCB
FIBL;
                                            EXTERNAL
                                                           LOCAL FIB
IO PACKET
PRIMARY FCB
CURRENT FIB
CURRENT WINDOW
                                                                                        : BBLOCK,
: REF BBLOCK,
: REF BBLOCK,
: REF BBLOCK,
: REF BBLOCK;
                                                                                                                           internal copy of user FIB I/O packet of this operation FCB of current file
                                                                                                                           pointer to current FIB in use user's window
                                                Get the length of the user-supplied FIB. If there is a window, and there is no user FIB, use the file ID from the window's FCB. Also use the FCB's file ID if the file number
```

```
C 12
16-Sep-1984 01:05:44
14-Sep-1984 12:29:37
GETFIB
VO4-000
                                                                                                                                VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11A.SRC]GETFIB.B32;1
                                   ! in the user FIB is zero.
    FIBL = .ABD[ABD$C_FIB, ABD$W_COUNT];
                                   CHSCOPY (.FIBL, ABDSW_TEXT] + ABD[ABDSC_FIB, ABDSW_TEXT] + 1,
                       FIBSC_LENGTH,
LOCAL_FIB);
CURRENT_FIB = LOCAL_FIB;
                                   LOCAL_FIB[FIB$L_ACL_STATUS] = SS$_NORMAL;
                                                                                                                    ! Preset to success
                                   IF .CURRENT_WINDOW NEQ O
                                   THEN
                                         BEGIN
                                         F(B = .CURRENT_WINDOW[WCB$L_FCB];
IF .LOCAL_FIB[FIB$W_FID_NUM] EQL 0
THEN CH$MOVE (FIB$S_FID, FCB[FCB$W_FID], LOCAL_FIB[FIB$W_FID]);
                                      If the file ID in the FIB does not match that in the FCB, this operation is not on the open file; clear the FCB and window addresses (except in the case of a DEACCESS, in which we force the file ID to that of the open
                                      file and signal an error).
                                         IF .LOCAL_FIB[FIB$W_FID_NUM] NEQ .FCB[FCB$W_FID_NUM]
OR .LOCAL_FIB[FIB$W_FID_RVN] NEQ .FCB[FCB$W_FID_RVN]
                                         THEN
                                               IF .10_PACKET[IRP$V_FCODE] EQL 10$_DEACCESS
                                               THEN
                                                     CH$MOVE (FIB$S_FID, FCB[FCB$W_FID], LOCAL_FIB[FIB$W_FID]);
ERR_STATUS (SS$_BADPARAM);
                                                     END
                                               ELSE
                                                     BEGIN
                                                     CURRENT_WINDOW = 0;
PRIMARY_FCB = 0;
                                                     END:
                                               END:
                                   ! If there is no file open, there must be a minimum FIB.
                                   ELSE
                                         BEGIN
                                         IF .FIBL LSS FIBSC_ACCDATA THEN ERR_EXIT (SS$_INSFARG);
                                      If the directory ID is -1,-1, convert it to 4,4,0 to be compatible with
                                      the old RSX MFD kluge.
```

GETF 18 V04-000		0490 0491	2							0 12 6-Sep- 4-Sep-	1994 01:05	:44 VAX-11 BLiss-32 V4.0-742 :37 DISK\$VMSMASTER:[F11A.SRC]GETFIB.B32	Page (2)
179 180		0492	2 AND .L	OCAL FIB	CFIB	W_DID_NUM]] EQ	L 6	3335				
177 178 179 180 181 182 183 184 185 186 187 188		0492 0493 0494 0495 0496 0497 0498 0499 0500	PO LON	GIN	FIBS FIBS	W_DID_NUM) W_DID_SEQ] W_DID_RVN]							
189		0501 0502	1 END;						!	end o	froutine	GET_FIB	
											.TITLE	GETFIB \V04-000\	
											.EXTRN .EXTRN .EXTRN	LOCAL_FIB, IO_PACKET PRIMARY_FCB, CURRENT_FIB CURRENT_WINDOW, USER_STATUS	
											.PSECT	\$CODE\$,NOWRT,2	
0040	8F		00	01 A	57 56 51 50	00000000G 0000G 04 0A 08	00 CF AC A0 A0 61 56 A7 O1	1FC 9E	00002 00009 0000E 00012 00016 0001A		MOVAB MOVAB MOVAB MOVZWL MOVAB MOVZWL MOVC5	GET_FIB, Save R2,R3,R4,R5,R6,R7,R8 USER_STATUS, R8 LOCAL_FIB+4, R7 ABD, R0 10(R0), FIBL 8(R0), R1 (R1), R0 FIBL, 1(R1)[R0], #0, #64, LOCAL_FIB	0436 0436 0438
				0000G	CF A7 50 56	FC FC 0000G 18	CF 3E	9E 000 130	00026 00028 00028 00037 00037 00037 00046 00046 00045 00058 00060 00065 00068 00067 00077		MOVAB MOVL MOVL BEQL MOVL	LOCAL_FIB, CURRENT_FIB #1, LOCAL_FIB+52 CURRENT_WINDOW, RO 4\$ 24(RO), FCB LOCAL_FIB+4	0443 0443 0443 0450
			67	24 24	A6 A6	0/	05 06 67	12 28 81 12	0003F 00041 00046 0004A	15:	BNEQ MOVC3 CMPW BNEQ	#6, 36(FCB), LOCAL_FIB+4 LOCAL_FIB+4, 36(FCB)	045 046
	34	20	0 40	28	A6 50 06	04 0000G	SE CF	13	00051	2\$:	BEQL MOVL	LOCAL_FIB+8, 40(FCB) 5\$ 10_PACKET_RO	046
	34	20	0 A0 67	24	A6 19 68		A070067772EF0006814	12 28 E9 B0	0005E 00060 00065 00068		BNEQ MOVC3 BLBC MOVW	10_PACKET, R0 #0, #6, 32(R0), #52 3\$ #6, 36(FCB), LOCAL_FIB+4 USER_STATUS, 5\$ #20, USER_STATUS 5\$	0468
					OA	0000G	CF CF OA S6 OS	D4 D4 11 D1 18	0006D 00071 00075 00077 0007A	3\$: 4\$:	MOVAB MOVL BEQL MOVL BEQL TSTW BNEQ MOVC3 BNEQ CMPW BROVE BOVE BOVE BLRL BRB CLRL BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB CMP BRB BRB BRB BRB BRB BRB BRB BRB BRB BR	CURRENT_WINDOW PRIMARY_FCB 5\$ FIBL. #10	0464 0473 0473 0460 0483

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GETFIB
VO4-000
                                                                                                              VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11A.SRC]GETFIB.B32;1
                                                                                             CHMU
RET
CMPW
                                                          0114
                                                                                                       #276
                                                                       B04121204E4
                                                                                                                                                                 0484
                                                                                                       LOCAL_FIB+10, #65535
                                        FFFF
                                                                  A7
13
A7
08
87
A7
                                                                                                                                                                 0491
                                                                                             BNEQ
                                                            08
                                        FFFF
                                                                                             CMPW
BNEQ
                                                                                                       LOCAL_FIB+12, #65535
                                                                                                                                                                 0492
                                                                                                       #262148, LOCAL_FIB+10
LOCAL_FIB+14
LOCAL_FIB, RO
                                                                                             MOVL
CLRW
MOVAB
RET
                                                                                                                                                                 0495
0497
0500
0502
                                                     00040004
                                                            OA
FC
                                                 50
; Routine Size: 161 bytes.
                                       Routine Base: $CODE$ + 0000
   190
191
192
                                                 PSECT SUMMARY
                                                                               Attributes
         Name
                                         Bytes
   $CODE$
                                               161 NOVEC, NOWRT, RD , EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
                                        Library Statistics
                                                         ----- Symbols -----
                                                                                               Pages
                                                                                                              Processing
         file
                                                        Total
                                                                               Percent
                                                                                                               Time
                                                                    Loaded
                                                                                               Mapped
    $255$DUA28:[SYSLIB]LIB.L32:1
                                                        18619
                                                                                               1000
                                                                                                                 00:01.9
                                                  COMMAND QUALIFIERS
         BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS$:GETFIB/OBJ=OBJ$:GETFIB MSRC$:GETFIB/UPDATE=(ENH$:GETFIB)
                    161 code + 0 data bytes
00:07.4
00:27.9
```

Run Time:

Elapsed Time: Lines/CPU Min:

Lexemes/CPU-Min: 15105 Memory Used: 97 pages Compilation Complete

0165 AH-BT13A-SE

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